

2018 Current Fiscal Year Report: Proposal Review Panel for Atmospheric and Geospace Sciences

Report Run Date: 06/06/2019 12:25:13 AM

1. Department or Agency

National Science Foundation

2. Fiscal Year

2018

3. Committee or Subcommittee

Proposal Review Panel for Atmospheric and Geospace Sciences

3b. GSA Committee No.

10751

4. Is this New During Fiscal Year?

No

5. Current Charter

06/30/2017

6. Expected Renewal Date

06/30/2019

7. Expected Term Date

8a. Was Terminated During Fiscal Year?

No

8b. Specific Termination Authority

8c. Actual Term Date

9. Agency Recommendation for Next Fiscal Year

Continue

10a. Legislation Req to Terminate?

No

10b. Legislation Pending?

Not Applicable

11. Establishment Authority

Agency Authority

12. Specific Establishment Authority

ADM IV-100

13. Effective Date

10/01/1993

14. Committee Type

Continuing

14c. Presidential?

No

15. Description of Committee

Grant Review Committee

16a. Total Number of Reports

No Reports for this Fiscal Year

17a. Open Meetings and Dates 0 17b. Closed Meetings and Dates 9 17c. Partially Closed Meetings and Dates 0 17d. Total Meetings and Dates 9

Purpose	Start	End
Proposal Review	11/02/2017	- 11/03/2017
Proposal Review	11/29/2017	- 11/30/2017
Proposal Review	01/18/2018	- 01/19/2018
Proposal Review	03/05/2018	- 03/07/2018
Proposal Review	03/13/2018	- 03/14/2018
Proposal Review	04/05/2018	- 04/06/2018
Proposal Review	06/04/2018	- 06/05/2018
Proposal Review	06/07/2018	- 06/08/2018
Proposal Review	09/13/2018	- 09/14/2018

Number of Committee Meetings Listed: 9

	Current FY	Next FY
18a(1). Personnel Pmts to Non-Federal Members	\$42,560.00	\$57,456.00
18a(2). Personnel Pmts to Federal Members	\$0.00	\$0.00

18a(3). Personnel Pmts to Federal Staff	\$60,980.00	\$82,323.00
18a(4). Personnel Pmts to Non-Member Consultants	\$0.00	\$0.00
18b(1). Travel and Per Diem to Non-Federal Members	\$12,544.00	\$16,934.00
18b(2). Travel and Per Diem to Federal Members	\$0.00	\$5,000.00
18b(3). Travel and Per Diem to Federal Staff	\$0.00	\$10,000.00
18b(4). Travel and Per Diem to Non-member Consultants	\$0.00	\$0.00
18c. Other(rents,user charges, graphics, printing, mail, etc.)	\$536.00	\$724.00
18d. Total	\$116,620.00	\$172,437.00
19. Federal Staff Support Years (FTE)	0.42	0.57

20a. How does the Committee accomplish its purpose?

The scope and objectives are to advise the National Science Foundation (NSF) on the merit of proposals requesting financial support of research and research-related activities. The committee will review and evaluate proposals submitted to NSF under the purview of the Division of Atmospheric and Geospace Sciences (AGS). Also, the committee's duties and responsibilities are to review and evaluate proposals, which may include site visits, and provide written recommendations on proposals as part of the selection process for awards. The Committee may evaluate and provide advice on the progress of awarded proposals.

20b. How does the Committee balance its membership?

Members are selected to achieve a balance of viewpoints and expertise in the scientific areas and types of institutions encompassed by AGS activities. To the extent practicable, effort is made to achieve a diverse membership with representation that includes individuals from underrepresented groups and different geographic regions. It is anticipated that members will be comprised of Special Government Employees (SGE) and Regular Government Employees (RGE).

20c. How frequent and relevant are the Committee Meetings?

There are approximately 9 meetings a year. The subject and number of proposals to be reviewed determine the number of members attending each meeting. The Committee will continue indefinitely with renewals of the charter biennially in accordance with Section 14 of FACA.

20d. Why can't the advice or information this committee provides be obtained elsewhere?

This committee is essential because the broad scientific base represented by the division transcends the ability of NSF staff to evaluate proposals thoroughly so that outside advice from practicing scientists is essential both for fair peer evaluation of proposals and for

effective scientific long-range planning. The essence of the peer review system is that those scientists most knowledgeable about a field be the judge of the worthiness and importance of a proposal in the field. This requires the division to consult with many members of the scientific community to insure fair and reasonable evaluation of a proposal.

20e. Why is it necessary to close and/or partially closed committee meetings?

These meetings are closed because the proposals being reviewed include information of a proprietary or confidential nature, including technical information; financial data, such as salaries; and personal information concerning individuals associated with the proposals. These matters are exempt under 5 U.S.C. 552b(c), (4) and (6) of the Government in the Sunshine Act.

21. Remarks

N/A

Designated Federal Officer

Anjuli S. Bamzai Acting Division Director

Committee Members	Start	End	Occupation	Member Designation
Aiyyer, Anantha	10/01/2017	09/30/2018	North Carolina State University	Special Government Employee (SGE) Member
Alexander, M. Joan	10/01/2017	09/30/2018	NorthWest Research Associates, Inc.	Special Government Employee (SGE) Member
Amitabh, Nag	10/01/2017	09/30/2018	Florida Institute of Technology	Special Government Employee (SGE) Member
Anderson, Phillip	10/01/2017	09/30/2018	University of Texas-Dallas	Special Government Employee (SGE) Member
Andersson, Laila	10/01/2017	09/30/2018	University of Colorado-Boulder	Special Government Employee (SGE) Member
Barjatya, Aroh	10/01/2017	09/30/2018	Embry-Riddle Aeronautical University	Special Government Employee (SGE) Member
Bruntz, Robert	10/01/2017	09/30/2018	Christopher Newport University	Special Government Employee (SGE) Member
Bust, Gary	10/01/2017	09/30/2018	The Johns Hopkins University Applied Physics Laboratory	Special Government Employee (SGE) Member
Chiao, Sen	10/01/2017	09/30/2018	San Jose State University Foundation	Special Government Employee (SGE) Member
Close, Sigrid	10/01/2017	09/30/2018	Stanford University	Special Government Employee (SGE) Member
Conde, Mark	10/01/2017	09/30/2018	University of Alaska-Geophysical Institute	Special Government Employee (SGE) Member
Cronin, Timothy	10/01/2017	09/30/2018	Massachusetts Institute of Technology	Special Government Employee (SGE) Member
Dandenault, Patrick	10/01/2017	09/30/2018	The Johns Hopkins University Applied Physics Laboratory	Special Government Employee (SGE) Member
Datta-Barua, Seebany	10/01/2017	09/30/2018	Illinois Institute of Technology	Special Government Employee (SGE) Member

Dima, Gabriel	10/01/2017	09/30/2018	National Solar Observatory	Special Government Employee (SGE) Member
Duderstadt, Katharine	10/01/2017	09/30/2018	University of New Hampshire	Special Government Employee (SGE) Member
England, Scott	10/01/2017	09/30/2018	Virginia Tech	Special Government Employee (SGE) Member
Fallen, Christopher	10/01/2017	09/30/2018	University of Alaska-Fairbanks	Special Government Employee (SGE) Member
Fang, Tzu-Wei	10/01/2017	09/30/2018	NOAA Space Weather Prediction Center	Special Government Employee (SGE) Member
Finn, Susanna	10/01/2017	09/30/2018	University of Massachusetts Lowell	Special Government Employee (SGE) Member
Galewsky, Joseph	10/01/2017	09/30/2018	University of New Mexico	Special Government Employee (SGE) Member
Gerrard, Andrew	10/01/2017	09/30/2018	New Jersey Institute of Technology	Special Government Employee (SGE) Member
Gibson, Sarah	10/01/2017	09/30/2018	National Center for Atmospheric Research	Special Government Employee (SGE) Member
Greer, Katelynn	10/01/2017	09/30/2018	University of Colorado-Boulder	Special Government Employee (SGE) Member
Guo, Lijia	10/01/2017	09/30/2018	Bay Area Environmental Research Institute	Special Government Employee (SGE) Member
Hampton, Don	10/01/2017	09/30/2018	University of Alaska-Fairbanks	Special Government Employee (SGE) Member
Harding, Brian	10/01/2017	09/30/2018	University of Illinois	Special Government Employee (SGE) Member
Helfrich, Sean	10/01/2017	09/30/2018	NOAA National Environmental Satellite, Data, and Information Service	Regular Government Employee (RGE) Member
Henderson, Michael	10/01/2017	09/30/2018	Los Alamos National Laboratory	Special Government Employee (SGE) Member
Hiscox, April	10/01/2017	09/30/2018	University of South Carolina	Special Government Employee (SGE) Member
Holt, Laura	10/01/2017	09/30/2018	NorthWest Research Associates, Inc.	Special Government Employee (SGE) Member
Huang, Chia-Lin	10/01/2017	09/30/2018	University of New Hampshire	Special Government Employee (SGE) Member
Jahn, Jorg-Micha	10/01/2017	09/30/2018	Southwest Research Institute	Special Government Employee (SGE) Member
Jones, McArthur	10/01/2017	09/30/2018	U.S. Naval Research Laboratory	Regular Government Employee (RGE) Member
Kane, Tim	10/01/2017	09/30/2018	Pennsylvania State University	Special Government Employee (SGE) Member
Keesee, Amy	10/01/2017	09/30/2018	West Virginia University	Special Government Employee (SGE) Member
Keesee, Robert	10/01/2017	09/30/2018	State University of New York at Albany	Special Government Employee (SGE) Member
Kelly, Michael	10/01/2017	09/30/2018	The Johns Hopkins University Applied Physics Laboratory	Special Government Employee (SGE) Member
Kim, Eun-Hwa	10/01/2017	09/30/2018	Princeton Plasma Physics Laboratory	Special Government Employee (SGE) Member
Krista, Larisza	10/01/2017	09/30/2018	NOAA National Centers for Environmental Information	Special Government Employee (SGE) Member
LaDue, Daphne	10/01/2017	09/30/2018	The University of Oklahoma, Norman Campus	Special Government Employee (SGE) Member
Lee, Young	10/01/2017	09/30/2018	Iowa State University	Special Government Employee (SGE) Member
Leka, K.	10/01/2017	09/30/2018	NorthWest Research Associates, Inc.	Special Government Employee (SGE) Member

Lepri, Susan	10/01/2017	09/30/2018	University of Michigan Ann Arbor	Special Government Employee (SGE) Member
Li, Zhanqing	10/01/2017	09/30/2018	University of Maryland	Special Government Employee (SGE) Member
Limpasuvan, Varavut	10/01/2017	09/30/2018	Coastal Carolina University	Special Government Employee (SGE) Member
Lugaz, Noe	10/01/2017	09/30/2018	University of New Hampshire	Special Government Employee (SGE) Member
Makarevich, Roman	10/01/2017	09/30/2018	University of Alaska-Fairbanks	Special Government Employee (SGE) Member
Mao, Jingqiu	10/01/2017	09/30/2018	University of Alaska-Fairbanks	Special Government Employee (SGE) Member
Martinis, Carlos	10/01/2017	09/30/2018	Boston University	Special Government Employee (SGE) Member
Maruca, Bennett	10/01/2017	09/30/2018	University of Delaware	Special Government Employee (SGE) Member
McGranaghan, Ryan	10/01/2017	09/30/2018	Jet Propulsion Laboratory	Special Government Employee (SGE) Member
Mierkiewicz, Edwin	10/01/2017	09/30/2018	Embry-Riddle Aeronautical University	Special Government Employee (SGE) Member
Mitchell, Elizabeth	10/01/2017	09/30/2018	The Johns Hopkins University Applied Physics Laboratory	Special Government Employee (SGE) Member
Monaldo, Frank	10/01/2017	09/30/2018	The Johns Hopkins University Applied Physics Laboratory	Special Government Employee (SGE) Member
Nielsen, Kim	10/01/2017	09/30/2018	University of Toledo	Special Government Employee (SGE) Member
Nugent, Alison	10/01/2017	09/30/2018	University of Hawaii at Manoa	Special Government Employee (SGE) Member
Persad, Geeta	10/01/2017	09/30/2018	Carnegie Institute of Science	Special Government Employee (SGE) Member
Ridley, Aaron	10/01/2017	09/30/2018	University of Michigan	Special Government Employee (SGE) Member
Scales, Wayne	10/01/2017	09/30/2018	Virginia Polytechnic Institute and State University	Special Government Employee (SGE) Member
Shepherd, Marianna	10/01/2017	09/30/2018	York University	Special Government Employee (SGE) Member
Snively, Jonathan	10/01/2017	09/30/2018	Embry-Riddle Aeronautical University	Special Government Employee (SGE) Member
Snow, Martin	10/01/2017	09/30/2018	University of Colorado-Boulder	Special Government Employee (SGE) Member
Spencer, Edmund	10/01/2017	09/30/2018	University of South Alabama	Special Government Employee (SGE) Member
Su, Yi-Jiun	10/01/2017	09/30/2018	Air Force Research Laboratory	Regular Government Employee (RGE) Member
Swisdak, Michael	10/01/2017	09/30/2018	University of Maryland	Special Government Employee (SGE) Member
Turner, Drew	10/01/2017	09/30/2018	Aerospace Corporation	Special Government Employee (SGE) Member
Urbina, Julio	10/01/2017	09/30/2018	Pennsylvania State University	Special Government Employee (SGE) Member
Uritsky, Vadim	10/01/2017	09/30/2018	Catholic University of America	Special Government Employee (SGE) Member
Waldrop, Lara	10/01/2017	09/30/2018	University of Illinois	Special Government Employee (SGE) Member
Walsh, Brian	10/01/2017	09/30/2018	Boston University	Special Government Employee (SGE) Member
Wang, Ling	10/01/2017	09/30/2018	NorthWest Research Associates, Inc.	Special Government Employee (SGE) Member

Wang, Nai-Yu	10/01/2017 09/30/2018 University of Maryland	Special Government Employee (SGE) Member
Welsch, Brian	10/01/2017 09/30/2018 University of Wisconsin-Green Bay	Special Government Employee (SGE) Member
Wu, Dong	10/01/2017 09/30/2018 NASA Goddard Space Flight Center	Regular Government Employee (RGE) Member
Wu, Qian	10/01/2017 09/30/2018 National Center for Atmospheric Research	Special Government Employee (SGE) Member
Yuan, Tao	10/01/2017 09/30/2018 Utah State University	Special Government Employee (SGE) Member
Zabotin, Nikolay	10/01/2017 09/30/2018 University of Colorado-Boulder	Special Government Employee (SGE) Member
Zawdie, Kate	10/01/2017 09/30/2018 U.S. Naval Research Laboratory	Regular Government Employee (RGE) Member
Zettergren, Matthew	10/01/2017 09/30/2018 Embry-Riddle Aeronautical University	Special Government Employee (SGE) Member
Zhou, Qihou	10/01/2017 09/30/2018 Miami University	Special Government Employee (SGE) Member
Zipser, Edward	10/01/2017 09/30/2018 University of Utah	Special Government Employee (SGE) Member
ortega, Ivan	10/01/2017 09/30/2018 National Center for Atmospheric Research	Special Government Employee (SGE) Member

Number of Committee Members Listed: 83

Narrative Description

The NSF mission is set out in the NSF Act of 1950 authorizes and directs the Agency to initiate and support: basic scientific research and research fundamental to the engineering process; and science and engineering education programs at all levels and in all fields of science and engineering. The involvement of knowledgeable peers from outside the Foundation in the review of proposals is the keystone of NSF's proposal review system. Their judgments of the extent to which proposals address the merit review criteria are vital for informing NSF staff and influencing funding recommendations.

What are the most significant program outcomes associated with this committee?

Checked if Applies

Improvements to health or safety	<input type="checkbox"/>
Trust in government	<input type="checkbox"/>
Major policy changes	<input type="checkbox"/>
Advance in scientific research	<input checked="" type="checkbox"/>
Effective grant making	<input checked="" type="checkbox"/>
Improved service delivery	<input type="checkbox"/>
Increased customer satisfaction	<input type="checkbox"/>
Implementation of laws or regulatory requirements	<input type="checkbox"/>
Other	<input type="checkbox"/>

Outcome Comments

NA

What are the cost savings associated with this committee?

Checked if Applies

None	<input type="checkbox"/>
Unable to Determine	<input checked="" type="checkbox"/>
Under \$100,000	<input type="checkbox"/>
\$100,000 - \$500,000	<input type="checkbox"/>
\$500,001 - \$1,000,000	<input type="checkbox"/>
\$1,000,001 - \$5,000,000	<input type="checkbox"/>
\$5,000,001 - \$10,000,000	<input type="checkbox"/>
Over \$10,000,000	<input type="checkbox"/>
Cost Savings Other	<input type="checkbox"/>

Cost Savings Comments

The use of panelists to review proposals for the Agency is an invaluable asset. The cost of obtaining the expertise, insight, and information received by the Division using alternative methods, such as hiring the expertise as full or part-time employees, would be extremely high.

What is the approximate Number of recommendations produced by this committee for the life of the committee?

128

Number of Recommendations Comments

This is an ongoing committee. Therefore, the number of recommendations produced by the committee is for the fiscal year.

What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?

100%

% of Recommendations Fully Implemented Comments

The word "implement" is not applicable to grant review panels. All recommendations are "considered" by the agency.

What is the approximate Percentage of these recommendations that have been or

will be Partially implemented by the agency?

0%

% of Recommendations Partially Implemented Comments

Not applicable. Please see answer directly above.

Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?

Yes ☒ No ☐ Not Applicable ☐

Agency Feedback Comments

Although panelists may not receive direct feedback, each committee member may use the NSF FastLane, a public web-based program, which provides information on awards made by the agency to determine the outcome of proposals reviewed by the panel.

What other actions has the agency taken as a result of the committee's advice or recommendation?

Checked if Applies

Reorganized Priorities	<input type="checkbox"/>
Reallocated resources	<input type="checkbox"/>
Issued new regulation	<input type="checkbox"/>
Proposed legislation	<input type="checkbox"/>
Approved grants or other payments	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Action Comments

NA

Is the Committee engaged in the review of applications for grants?

Yes

What is the estimated <u>Number</u> of grants reviewed for approval	127
What is the estimated <u>Number</u> of grants recommended for approval	55
What is the estimated <u>Dollar Value</u> of grants recommended for approval	\$221,535,728

Grant Review Comments

The panelists/advisory committee members provided information on the merit of the proposal, which includes an overall rating. The number of proposals above includes pre-proposals submitted to NSF for review. The pre-proposals are not included in the number of "grants recommend" or "dollar value of grants" recommended for approval.

How is access provided to the information for the Committee's documentation?

Checked if Applies

Contact DFO



Online Agency Web Site



Online Committee Web Site



Online GSA FACA Web Site



Publications



Other



Access Comments

N/A